

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

P562

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Poughkeepsie
15' quad

RECORD OF WELL

Locate well on plat of section.

1. Location: State N. Y. S. County Putnam
 Nearest P. O. Carmel Direction from P. O. NW Poughkeepsie 15' quad
 Distance from P. O. 7 miles; 1/4 sec. _____ T. _____ R. _____
 If in city, give street and number Town of Kent

2. Owner: Philip J. Alicino Address Miller Hill Road
almac Realty Corp Kent Cliffs, N. Y.
 Driller: Frank Carroll Address Brewster, N. Y.
James Carroll on rig

3. Situation: Is well on upland, in valley, or on hillside? hillside

4. Elevation of top of well: 870 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)

5. Type of well: drilled; kind of drilling rig used st.
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: 97 ft.; year in which well was finished July 1950
 Does well enter rock? yes; if so, at what depth? 13 ft.; kind of rock _____

7. Diameter: At top 6 inches; at bottom 6 inches.

8. Principal water bed: rock
 Depth to principal water bed 60-90 ft.; thickness of bed 30 1/2 ft.
(Gravel, sand, clay, or rock. If rock, state kind)

If other water supplies were found, give depth to each trickle of water at 40 ft. - sample taken

9. Casings: Kind steel; size 6"; length 20 ft.; between depths of 0 and 20 ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Packers (if any): Depth at which packers were used none; kind _____

Screen or Strainer: Was well finished with screen? no; kind of screen _____;
 length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;
 if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
 original pressure or head _____; if not flowing, give water level in well 20 ft. below surface.

11. Pump: Is the well pumped? some; kind of pump jet;
 size or capacity of pump _____; kind of power electric

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at 18 gallons ^{pump} per minute continuously for 4 hours;
 quantity of water ordinarily obtained from well less than 100 gallons per day.

13. Use: For what purpose is the water used? Dom - 1 family

14. Quality of the water: see analysis; is there an analysis? yes (over)
(Hard or soft, fresh or salty, etc.)

15. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank W. Grossman from James Carroll & Mr. T
 Date 7-22-50 Address V.S.S. at Albany Mrs. Alicino

Duller's - LOG OF WELL (from memory)

| KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft) | DEPTH, IN FEET | | THICKNESS, IN FEET | REMARKS (Especially information as to water found) |
|--|----------------|-----|--------------------|--|
| | From- | To- | | |
| Hardpan - no boulders | 0 | 13 | 13 | |
| Rock | 13 | 40 | 27 | |
| Soft, rotten mica rock | 40 | 41 | 1 | Trickle of colored water |
| Harder rock (with soft spots some carving) | 41 | 97 | 56 | water obtained all along from 60'-90' at the soft spots (mica) |

Water sample taken of water from 40 ft. horizon when well was still drilling at 60 ft. Another sample will be taken by James Carroll for main water seam when it is struck. Second sample from 35 ft. level (could not lower it further). Spring used to fill swimming pool at adjacent house - on Appalachian trail. Pool holds 50,000 - 60,000 gallons & spring fills it in 24 hours in wet weather so about 40 GPM!

at 53 ft. record

Pumped 18 GPM for 4 hours with only 15 feet of drawdown S.F. 20 Pumping level 3'5" after 4 hrs.

Analyses 7-22-50 ^{NYS D Health} 35 after 4 hrs 7-29-50 (NYS D Health)

| | | | | | | | |
|-------------------|-----------------|---------------------|-----|-------------------|------|---------------------|--------------|
| Dissolved solids | 506 | Cl | 4.0 | Dissolved solids | 120 | TOTAL HARD. | 54 |
| Fe | 24.0 | TOTAL HARD. | 48 | Fe | 1.5 | CO ₃ | 54 |
| Mn | 0.05 | CO ₃ | 48 | Mn | 0.05 | Non CO ₃ | 0 |
| HCO ₃ | 79 | Non CO ₃ | 0 | HCO ₃ | 71 | AIKA | 58 |
| SO ₄ | 12.5 | AIKA | 65 | SO ₄ | 11.7 | PH | 7.6 |
| COLOR - 5 | Turbidity - 600 | PH | 8.0 | Cl | 2.6 | COLOR - 0 | TURBIDITY 30 |
| SAMPLE - FILTERED | | | | 30TH SAMPLES FROM | | BAILER | |